

Abstract

The invention relates to a control circuit for controlling an electronic circuit, which has a current path through a semiconductor switch and a line; when the semiconductor switch is switched, the inductance of the line and/or of a component in the current path producing an
5 excess voltage between a first and a second current-carrying terminal of the semiconductor switch; the control circuit having a controllable current source for charging or discharging a charge-controlled gate of the semiconductor switch with the aid of a control current, as well as a control unit; the control unit controlling the current source in such a manner, that in the
10 case of a switching operation, the terminal voltage across the current-carrying terminals of the semiconductor switch does not exceed a predefined setpoint terminal voltage.

(Figure 3)